



TOTAL per year: 60												
<p>Educational objectives (max. 6 items)</p> <p>C1. Developing skills to diagnose and properly stage malignant neoplasms.</p> <p>C2. Knowledge of combined modality treatment principles.</p> <p>C3. Developing skills to choose optimal treatment method and procedures during and after the treatment, including communication with the oncological patient and his/her family.</p> <p>C4. Knowledge of supportive, palliative and analgesic care. Recognizing life threatening situations in oncology.</p> <p>C5. Developing skills to use methods of early cancer detection and prophylaxis.</p>												
Education result matrix for module/course in relation to verification methods of the intended education result and the type of class												
Number of course education result	Number of major education result	Student who completes the module/course knows/is able to	Methods of verification of intended education results (forming and summarising)	Form of didactic class <i>**enter the abbreviation</i>								
W 01	E.W23	1. . Knows environmental and epidemiological etiology factors of the most common human malignant neoplasms.	Cases analysis, observation, open problems, activity during clinical classes	L, CC, PCP, CSC								
	E.W25	2. . Knows modern oncology treatment capabilities (including multimodal treatment), cell and gene therapy perspectives and its adverse effects.										
	E.W26	3. Knows combined modality treatment principles and diagnostics-therapeutic algorithms in the most common human malignant neoplasms.										
	E.W27	4. Knows and understands causes, symptoms, diagnostics and treatment rules in the most common problems of palliative medicine including: symptomatic care of somatic symptoms, dealing with cachexia and life threatening situations, decubitus prophylaxis and treatment.										
	E.W28	5. Knows the palliative principles of dealing with a terminal patient										
	E.W29	6. Knows the pain treatment rules, including cancer related and chronic pain.										



U1	E.U16	1. Plans diagnostic, therapeutic and prophylactic procedures	Cases analysis, observation, activity during clinical classes	CC,PCP, CSC
U2	E.U17	2. Analyses eventual adverse effects and interactions of certain drugs.		
U3	E.U18	3. Proposes individualization of valid therapy guidelines and/or other methods of treatment in case of ineffective or contraindications to standard treatment.		
U4	E.U20	4. Qualifies patients to hospital or outpatient treatment.		
U5	E.U21	5. Defines stages where further living, functional stage or patients preferences limit standard therapeutic procedures in certain oncological disease.		
U6	E.U24	6. Interprets laboratory findings and indentifies <i>deviation causes</i> .		
U7	F.U6	7. Examines breasts and peripheral lymphnodes.		
K 01	K. 3A	1. Directs the good of the patient, placing them in the first place.	cooperates in a group, actively participates	CC, PCP, CSC
K 02	K. 3B	2. Is able to establish and maintain a deep and respectful contact with the patient.		
K 03	D. U4	3. builds an atmosphere of trust during the entire treatment process.		
K 04	D. U12	4. Adheres to ethical standards in professional activities		

** L - lecture; SE - seminar; AC – auditorium classes; MC – major classes (non-clinical); CC – clinical classes; LC – laboratory classes; SCM – specialist classes (magister studies); CSC – classes in simulated conditions; FLC – foreign language course; PCP practical classes with patient; PE – physical education (obligatory); VP – vocational practice; SS – self-study, EL – E-learning .

Please mark on scale 1-5 how the above effects place your classes in the following categories:
communication of knowledge, skills or forming attitudes:

Knowledge: 5

Skills: 4



Social competences: 4	
Student's amount of work (balance of ECTS points)	
Student's workload (class participation, activity, preparation, etc.)	Student Workload (h)
1. Contact hours:	60
2. Student's own work (self-study):	32,5
Total student's workload	92,5
ECTS points for module/course	3,5
Comments	None
Content of classes	
<ol style="list-style-type: none"> 1. Malignant neoplasms as a medical and social problem. Epidemiology and the results of cancer treatment. 2. The strategy of cancer diagnosis and treatment. Oncological sensitivity – early symptoms of cancer. Methods of cancer diagnosis and staging. 3. Cancer markers. Prognostic and predictive factors. The role of general practitioner in diagnosing cancer and the oncological patient care. Procedure after finishing cancer treatment. Oncology guidelines. 4. Radiotherapy as a single and combined method of oncological treatment, radiosensitivity and radiocurability. Radiation reactions. Radiation principles and techniques used in oncology. Radiotherapy as a part of organ sparing treatment. 5. Systemic treatment: schemes and capacity. Systemic treatment adverse effects: prophylaxis and treatment. Oncological treatment and ability to procreate. Criticism in interpreting clinical trials. New drugs in oncology. 6. Respiratory system, GI tract, CNS, GU, skin, breast and head and neck cancers and sarcomas. 7. Supportive and palliative care in oncology. 	
Lectures	
<ol style="list-style-type: none"> 1. Strategy of cancer diagnosis, treatment and follow-up 2. Radiotherapy in gynecology. Emergencies in cancer patients. 3. Radiotherapy. Technical and physical basics of radiotherapy. Advances in radiotherapy. Radiotherapy in organ conserving cancer treatment 4. Chemotherapy, hormonotherapy and molecular targeted therapy. Quality of life in cancer patients 5. Cancer epidemiology. Results of cancer treatment. Primary and secondary prophylaxis of cancer. 	
Seminars	
Practical classes	
<ol style="list-style-type: none"> 1. Breast cancer 2. Radiotherapy 3. Upper gastrointestinal tract – radiotherapy 4. Head and neck cancer - radiotherapy 5. Lower gastrointestinal tract – radiotherapy 6. Melanoma and skin cancer 7. Genitourinary cancer - radiotherapy 8. Soft tissues and bone sarcomas 9. Lung cancer - radiotherapy 	



10. Gynaecological cancer – radiotherapy

Other

- 1.
- 2.
- 3.

etc. ...

Basic literature (list according to importance, no more than 3 items)

1. DeVita, Hellman and Roposenberg's Cancer: Principles and Practice of Oncology Review by Ramaswamy Govindan M; Lippincott Williams & Wilkins Publishers
2. Oxford Handbook of Oncology
3. Washington Manual Of Oncology

Additional literature and other materials (no more than 3 items)

1. DeVita, Hellman and Rosenberg's Cancer: Principles and Practice of Oncology Review by Ramaswamy Govindan M; Lippincott Williams & Wilkins Publishers
2. *CA A Cancer Journal for Clinicians* Wydanie polskie: Onkologia po Dyplomie, Medical Tribune Group. Sp. z o.o. Warszawa
3. *UICC Manual of Clinical Oncology*; by Raphael E. Pollock, James H. Doroshow, David Khayat, Akimasa Nakao, Brian O'Sullivan (Editors); John Wiley & Sons
4. Bajcar S., Grzegorzczak I. Atlas diagnostyki zmian barwnikowych skóry. Wydawnictwo Uniwersytetu Jagiellońskiego, Kraków 2000
5. Bengel W., Vehman G. Diagnostyka różnicowa chorób błon śluzowych jamy ustnej. Wydawnictwo Kwintescencja, Warszawa 2000
6. Włodek-Owińska B., Świński T. Atlas chorób błony śluzowej jamy ustnej. PZWL, Warszawa 1993.
7. Wąsik F, Baran E, Szepietowski J. Atlas chorób skóry. Wydawnictwo Volumed, 1993.

Didactic resources requirements (e.g. laboratory, multimedia projector, other...)

Computer, multimedia projector, fantoms.

Preliminary conditions : preliminary test

Preparation for classes prescribed textbook (field activities according to the plan), and knowledge from previous years of study.

Conditions to receive credit for the course (specify the form and conditions of receiving credit for classes included in the module/course, admission terms to final theoretical or practical examination, its form and requirements to be met by the student to pass it and criteria for specific grades)

Active participation in class, presence in accordance with the studies regulations.

Test exam: multiple/single choice, multiple/single answer and matching response.

Oral exam possible if number of students willing to take the test is too small.

Oral exam: 3 questions from the set of issues. Every question graded with points from 0-3 (0-lack of knowledge, 1-basic knowledge, 2- incomplete knowledge, 3 complete knowledge of the issue).

Grade:	Criteria (only for courses/modules ending with an examination)
Very Good (5.0)	96-100% or 9 pts. from oral exam
Good Plus (4.5)	90-95% or 8 pts. from oral exam
Good (4.0)	80-89% or 7 pts. from oral exam
Satisfactory Plus (3.5)	70-79% or 6 pts. from oral exam
Satisfactory (3.0)	60-69% or 5 pts. from oral exam

Name and address of module/course teaching unit, contact: telephone and e-mail address

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Pl. Hirszfelda 12, Wrocław, tel. +48 71 3689391, fax: +48 71 3619111,
<http://www.onkologia.am.wroc.pl/>
tel.: 713689391, tel./faks: 713619111 e-mail: wk-28@umed.wroc.pl

Coordinator / Person responsible for module/course, contact: telephone and e-mail address

prof. dr hab. n. med. Rafał Matkowski
tel: 71 3689391
e-mail: rafal.matkowski@umed.wroc.pl

List of persons conducting specific classes: full name, degree/scientific or professional title, discipline, performed profession, form of classes.

prof. dr hab. n. med. Rafał Matkowski - lekarz, chirurg-onkolog – L,CC, CSC, PCP
dr hab. n. med. Adam Maciejczyk - lekarz, radioterapeuta - L,CC, CSC, PCP
dr n. med. Marcin Jędryka – lekarz, ginekolog-onkolog - L,CC, CSC, PCP
dr n. med. Marcin Ekiert- lekarz, onkolog kliniczny - L,CC, CSC, PCP
dr n. med. Agnieszka Ignatowicz-Pacyna - lekarz, radioterapeuta -L,CC, CSC, PCP
dr n. med. Aleksandra Łacko - lekarz, onkolog kliniczny - L,CC, CSC, PCP
dr n. med. Małgorzata Rusiecka – lekarz, radioterapeuta - L,CC, CSC, PCP
dr hab. n. med. Jolanta Szelachowska – lekarz, radioterapeuta - L,CC, CSC, PCP
dr n. med. Krzysztof Szewczyk – lekarz, chirurg-onkolog - L,CC, CSC, PCP
dr n. med. Radosław Tarkowski – lekarz, chirurg-onkolog - L,CC, CSC, PCP
dr n. med. Urszula Staszek-Szewczyk - lekarz, chirurg - L,CC, CSC, PCP
lek. Marcin Stępień – lekarz, radioterapeuta - L,CC, CSC, PCP
lek. Katarzyna Soter – lekarz, onkolog kliniczny - L,CC, CSC, PCP
lek. Ewelina Łata-Woźniak – lekarz, radioterapeuta - L,CC, CSC, PCP
lek. Andrzej Czekański – lekarz ginekolog-onkolog - L,CC, CSC, PCP
lek. Piotr Lepka – lekarz (ginekolog w trakcie specjalizacji) - L,CC, CSC, PCP
DOKTORANCI
lek. Krystian Lichoń – lekarz (radioterapeuta w trakcie specjalizacji) - L,CC, CSC, PCP
lek. Dominika Zielecka – lekarz (radioterapeuta w trakcie specjalizacji) - L,CC, CSC, PCP
lek. Katarzyna Konat – lekarz (radioterapeuta w trakcie specjalizacji) - L,CC, CSC, PCP

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Date of Syllabus development

Syllabus developed by

.....29.06.2016.....

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Signature of Faculty Dean

Wrocław Medical University
FACULTY OF MEDICINE
VICE-DEAN FOR STUDIES IN ENGLISH
A. Hendrich
Prof. Andrzej Hendrich, PhD

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University of Medicine in Wrocław
KATEDRA ONKOLOGII
ZAKŁAD CHIRURGII ONKOLOGICZNEJ
R. Matkowski
Kierownik

prof. dr hab. Rafał Matkowski

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